IEEE 802.3 motions

Closing IEEE 802 EC

Friday 7th November 2014

ME: New PAR: IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber

IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber PAR and CSD responses

Title

Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 1000 Mb/s Operation Over Plastic Optical Fiber

Scope of project

This amendment adds physical layer (PHY) specifications for IEEE Std 802.3 operation at 1000 Mb/s using standardized plastic optical fiber as the point-to-point data transmission medium. Appropriate management parameters will be enhanced or added in support of the PHY specifications.

IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber PAR and CSD responses

Need

Plastic optical fiber (POF) provides distinct advantages in applications where long link length is not a requirement; and where ease of installation is important (e.g., home networking). POF requires virtually no installation training and only simple tools to terminate. POF is also used in harsh environments (e.g., industrial and automotive networking) where its robustness provide significant advantages. Automotive and industrial networks are migrating toward using Ethernet, so maintaining POF as a medium option is a requirement for many manufacturers. POF's non-conductive cable construction and noise immunity increase installation options and the application space for Ethernet. Current networks in the target markets require operation at a gigabit per second data rate.

Draft PAR

http://ieee802.org/3/GEPOFSG/P802_3bv_PAR_051114.pdf

Draft CSD responses

http://ieee802.org/3/GEPOFSG/CSD_GEPOF_051114.pdf

IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber PAR and CSD responses

Motion

The IEEE 802 LMSC Executive Committee approves the IEEE P802.3bv CSD responses and forwards the IEEE P802.3bv PAR to NesCom

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group votes on approval of individual items:

Project Authorization Request:	Y:	78,	N:	0,	A:	17
Project process requirements:	Y:	55,	N:	0,	A:	16 (July 2014)
Broad Market Potential criterion:	Y:	87,	N:	2,	A:	21
Compatibility criterion:	Y:	83,	N:	0,	A:	16
Distinct Identity criterion:	Y:	83,	N:	0,	A:	16
Technical Feasibility criterion:	Y:	80,	N:	0,	A:	20
Economic Feasibility criterion:	Y:	81,	N:	0,	A:	15

ME: New PAR:
IEEE P802.3by 25 Gb/s Ethernet

IEEE P802.3by 25 Gb/s Ethernet PAR and CSD responses

Title

Standard for Ethernet Amendment: Media Access Control Parameters, Physical Layers and Management Parameters for 25 Gb/s Operation

Scope of project

Define Ethernet Media Access Control (MAC) parameters, physical layer specifications, and management parameters for the transfer of Ethernet format frames at 25 Gb/s for server to switch interconnections.

IEEE P802.3by 25 Gb/s Ethernet PAR and CSD responses

Need

There is a need for greater than 10 Gb/s Ethernet connectivity for server to switch connections. The availability of 25 Gb/s signaling technologies enables interconnect solutions for server to switch applications to be developed which are lower cost than existing 40 Gb/s Ethernet solutions.

Draft PAR

http://www.ieee802.org/3/25GSG/25GE_PAR_updated_051114.pdf

Draft CSD responses

http://www.ieee802.org/3/25GSG/25GE_CSD_1114_updated_adopted_with_changes.pdf

IEEE P802.3by 25 Gb/s Ethernet PAR and CSD responses

Motion

The IEEE 802 LMSC Executive Committee approves the IEEE P802.3by CSD responses and forwards the IEEE P802.3by PAR to NesCom

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group votes on approval of individual items:

Project Authorization Request:	Y:	85,	N:	0,	A:	8
Management:	Y:	91,	N:	0,	A:	6
Coexistence:	Y:	84,	N:	0,	A:	8
Broad Market Potential criterion:	Y:	87,	N:	0,	A:	5
Compatibility criterion:	Y:	86,	N:	0,	A:	6
Distinct Identity criterion:	Y:	85,	N:	0,	A:	8
Technical Feasibility criterion:	Y:	87,	N:	0,	A:	7
Economic Feasibility criterion:	Y:	88,	N:	0,	A:	7

ME: IEEE P802.3bm 40 Gb/s and 100 Gb/s Fiber Optic to RevCom (conditional)

IEEE P802.3bm 40 Gb/s and 100 Gb/s Fiber Optic to RevCom (conditional)

Item 1: Date the ballot closed

The 2nd Sponsor recirculation ballot on IEEE P802.3bm draft D3.2 closed on 14th October 2014 at 23:59 ET

Item 2: Vote tally

	Initial Draft D3.0			1st Recirculation Draft D3.1			2nd Recirculation Draft D3.2			Req %
	#	%	Status	#	%	Status	#	%	Status	
Abstain	2	2	PASS	2	3	PASS	2	2	PASS	< 30
Disapprove with comment	3	-	-	3	-	-	0	-	-	-
Disapprove w/o comment	0	-	-	0	-	-	0	-	-	-
Approve	73	96	PASS	73	96	PASS	77	100	PASS	≥ 75
Ballots returned	78	81	PASS	78	81	PASS	79	82	PASS	≥ 75
Voters	96	-	-	96	-	-	96	-	-	-
Comments	105	-	-	96	-	-	38	-	-	-

IEEE P802.3bm 40 Gb/s and 100 Gb/s Fiber Optic to RevCom (conditional)

Item 3: Comments that support the remaining disapprove votes and WG responses

- No disapprove votes

Item 4: Recirculation ballot and resolution meeting schedule

- 3rd Sponsor recirculation ballot open date 19th November 2014
- 3rd Sponsor recirculation ballot close date 3rd December 2014
- IEEE P802.3bm Interim meeting date 10th December 2014
- 4th Sponsor recirculation ballot open date: 17th December 2014
- RevCom early consideration submittal deadline: 19th December 2014
- 4th Sponsor recirculation ballot close date: 6th January 2015
- IEEE P802.3bm interim meeting week of 12th January 2015
- RevCom early consideration meeting: 30th January 2015

Note: 4th Sponsor recirculation ballot and meeting only if required

IEEE P802.3bm 40 Gb/s and 100 Gb/s Fiber Optic to RevCom (conditional)

Motion

The IEEE 802 LMSC Executive Committee confirms the IEEE 802.3bm CSD (grandfathered 5C) available at http://ieee802.org/3/bm/P8023bm_5Criteria_1113.pdf and grants conditional approval to forward IEEE P802.3bm to RevCom

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote
Y: 104, N: 0, A: 5

MI: IEEE 802.3 Gigabit Ethernet Over Plastic Optical Fiber Study Group (2nd extension)

IEEE 802.3 Gigabit Ethernet Over Plastic Optical Fiber Study Group (2nd extension)

Motion

The IEEE 802 LMSC Executive Committee approves an extension to the IEEE 802.3 Gigabit Ethernet Over Plastic Optical Fiber Study Group (2nd extension)

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote
Y: 83, N: 0, A: 9

*MI: IEEE 802.3 25 Gb/s Ethernet Study Group (1st extension)

IEEE 802.3 25 Gb/s Ethernet Study Group (1st extension)

Motion

The IEEE 802 LMSC Executive Committee approves an extension to the IEEE 802.3 25 Gb/s Ethernet Study Group (1st extension)

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote
Y: 88, N: 0, A: 3

MI: IEEE 802.3 Next Generation Enterprise Access BASE-T PHY Study Group

IEEE 802.3 Next Generation Enterprise Access BASE-T PHY Study Group

Motion

The IEEE 802 LMSC Executive Committee grants approval for the formation of the IEEE 802.3 Next Generation Enterprise Access BASE-T PHY Study Group, to develop a PAR and CSD for Next Generation Enterprise BASE-T Access, within IEEE 802.3

M: Law S: D'Ambrosia
Y: ??, N: ?, A: ?

131 CFI attendees, 41 interested in participating

Working Group vote:

Y: 92 N: 0 A: 2

MI: IEEE 802.3 25GBASE-T Study Group

IEEE 802.3 25GBASE-T Study Group

Motion

The IEEE 802 LMSC Executive Committee grants approval for the formation of the IEEE 802.3 25GBASE-T Study Group, to develop PAR and CSD modifications to the IEEE P802.3bq 40GBASE-T PAR to add 25GBASE-T to that project, within IEEE 802.3

M: Law S: D'Ambrosia
Y: ??, N: ?, A: ?

82 CFI attendees, 37 interested in participating

Working Group vote:

Y: 83 N: 0 A: 5

II*: Liaison letter to ISO/IEC JTC1 SC6: Response to comment on IEEE Std 802.3.1-2013 pre-ballot

Liaison letter to ISO/IEC JTC1 SC6: Comment on IEEE Std 802.3.1-2013 pre-ballot

The liaison letter from the IEEE 802.3 working group to ISO/IEC JTC1 SC6 in respect to the response to comment on the IEEE Std 802.3.1-2013 pre-ballot approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair can be found at http://www.ieee802.org/3/minutes/nov14/outgoing/IEEE_802d3_to_ISOIEC_JTC1_SC6_1114_draft.pdf

Working Group vote:

Y: 102, N: 0, A: 1

II*: Liaison letter to ISO/IEC JTC1 SC25/WG3: Remote powering

Liaison letter to ISO/IEC JTC1 SC25/WG3: Remote powering

The liaison letter response from the IEEE 802.3 working group to ISO/IEC JTC1 SC25/WG3 in respect to remote powering, approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair can be found at http://www.ieee802.org/3/minutes/nov14/outgoing/IEEE_802d3_to_SC25_PoE_1114_draft.pdf

Working Group vote:

Y: 40, N: 0, A: 4

II*: Liaison letter to ITU-T SG9: ITU-T J.195.2 (ex. J.HiNoC-phy) and J.195.3 (ex. J.HiNoC-mac)

Liaison letter to ITU-T SG9: J.195.2 (ex. J.HiNoC-phy) and J.195.3 (ex. J.HiNoC-mac)

The draft liaison letter response from the IEEE 802.3 working group to ITU-T SG9 in respect to J.195.2 (ex. J.HiNoC-phy) and J.195.3 (ex. J.HiNoC-mac) approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair can be found at http://www.ieee802.org/3/minutes/nov14/outgoing/IEEE_802d3_to_ITU-T_SG9_1114_draft.pdf

Working Group vote:

Y: 96, N: 0, A: 4

II*: Liaison letter to ITU-T SG15: Optical Transport Networks and Technologies (OTNT) Standardization Work Plan

Liaison letter to ITU-T SG15: OTNT Standardization Work Plan

The draft liaison letter response from the IEEE 802.3 working group to ITU-T SG15 in respect to the Optical Transport Networks and Technologies (OTNT) Standardization Work Plan approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair can be found at http://www.ieee802.org/3/minutes/nov14/outgoing/IEEE_802d3_to_ITU-T_SG15_OTNT_1114_draft.pdf

Working Group vote:

Y: 105, N: 0, A: 3

II*: Liaison letter to ITU-T SG15: the Access Network Transport (ANT) Standardization Work Plan

Liaison letter to ITU-T SG15: ANT Standardization Work Plan

The draft liaison letter response from the IEEE 802.3 working group to ITU-T SG15 in respect to the Access Network Transport (ANT) Standardization Work Plan approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair can be found at http://www.ieee802.org/3/minutes/nov14/outgoing/IEEE_802d3_to_ITU-T_SG15_ANT_1114_draft.pdf

Working Group vote:

Y: 99, N: 0, A: 1